

## **ABSTRACT**

Compositions and methods for killing ectoparasites on a subject. Compositions containing a fatty acid ester, *e.g.*, isopropyl myristate, effective for killing ectoparasites is described. Also described are compositions containing a fatty acid ester and a siloxane (*e.g.* decacyclomethicone). The compositions can also contain a mectin and/or a mycin, and S-methoprene. The compositions are useful against a variety of ectoparasites that afflict humans, animals, and plants, *e.g.*, head lice, fleas, body lice, crab lice, scabies mites, ticks, and plant parasites.